

SPEC 203 EARLY COMM DISPLAY

1 2 3 4 5
123456789012345678901234567890123456789012345678901

1	XXXX/203/XXX	EARLY COMM	XX X	DDD/HH/MM/SS		
2				DDD/HH/MM/SS		
3						
4	N1RS1C RPC	CL 5 1X 2X	OP	PTG MODE		
5		6 3X 4X		MANUAL	22X	
6		12 5X 6X		AUTO	23X	
7		13 7X 8X				
8	N1RS2A RPC	5 9X 10X		ANT SEL		
9		6 11X 12X		PORT OMNI	24X	
10		10 13X 14X		STBD OMNI	25X	
11		11 15X 16X				
12				26 PORT ARRAY BEAM	XX	X
13				27 STBD ARRAY BEAM	<u>XX</u>	X
14	XMIT	ON 17X	OFF 18X			
15	DECRYPT	X	19X	BEAM SEL	XX	
16	KEY	XXX				
17	POST	XXXX		SIG STR	XXX	
18	CPT POST	XXXX				
19		HI	LO			
20	SYS MODE	20X	21X	TEMP	I/F	
21	FRM LOCK			PORT ANT	XXX	XXX
22	PORTCOM	XXX		STBD ANT	XXX	XXX
23	CTP	XXX		PORTCOM	XXX	XXX
24	R-S RJCT	XXX		CTP	XXX	
25						
26						

PARAMETER CHARACTERISTICS: SM 203 EARLY COMM DISPLAY

CRT NAME	MSID	UNITS	DISPLAY RANGE
DECRYPT ON	P79X0592E	-----	'*' = 1, blank = 0
DECRYPT KEY BIT 0/4/8	P79U0594D/ P79U0327D/ P79U0330D	-----	TBD
DECRYPT POST	P79X0595E	-----	FAIL = 1, PASS = 0
CPT POST	P79X0372E	-----	FAIL = 0, PASS = 1
FRM LOCK PORTCOM	P79X0591E	-----	YES = 1, NO = 0
FRM LOCK CTP	P79X0605E	-----	NO = 1, YES = 0
R-S RJCT [1]	P79X0590E	-----	YES = 1, NO = 0
BEAM SEL	P79U0599D	-----	TBD
SIG STR	P79U0600A	CNT	0 --- 255
PORT ANT TEMP	P79U0601A	CNT	0 --- 255
STBD ANT TEMP	P79U0602A	CNT	0 --- 255
PORTCOM TEMP	P79U0603A	CNT	0 --- 255
CTP TEMP	P79U0604A	CNT	0 --- 255
PORT ANT I/F	P79X0373E	-----	ERR = 1, OK = 0
STBD ANT I/F	P79X0374E	-----	ERR = 1, OK = 0
PORTCOM I/F	P79X0375E	-----	ERR = 1, OK = 0

REMARKS

- [1] This parameter displays 'YES' or 'NO' to indicate if forward link packets are being discarded due to Reed-Solomon rejects.

ITEM ENTRY CHARACTERISTICS: SM 203 EARLY COMM DISPLAY

- Items 1 --- 16: N1RS1C RPC (5,6,12,13) and N1RS2A RPC (5,6,10,11) - powers on (CL) and powers off (OP) the Remote Power Controllers (RPCs) associated with the Early Communication System. An asterisk will be displayed next to the appropriate item number to indicate the open/closed status of each RPC.
- Items 17 and 18: XMIT - powers ON and OFF the Early Communication System transmitter, respectively. An asterisk will be displayed next to the appropriate item number to indicate transmitter status.
- Item 19: DECRYPT - turns OFF the Decryption function. An asterisk will be displayed next to item 19 to indicate that the decryption function is OFF; otherwise, an asterisk will be displayed under the ON column. The KEY field displays the index number of the decryption key currently in use. This value is displayed in hex. The POST field displays either 'PASS' or 'FAIL' to indicate whether or not the decryption Power On Self-Test (POST) was successful.
The Command/Telemetry Processor (CTP) POST field displays either 'PASS' or 'FAIL' to indicate whether or not the CTP POST was successful.
- Items 20 and 21: SYS MODE - selects either the HI or LO system mode, respectively. An asterisk will be displayed next to the appropriate item entry to indicate the current system mode. HI mode is used for video-teleconferencing and LO mode is used for command/telemetry transmission.
- Items 22 and 23: PTG MODE - allow the crew to select either the MANUAL or AUTO pointing modes, respectively. An asterisk will be displayed next to the appropriate item entry to indicate the current mode. Normal operation of the system will be in automatic pointing mode.
- Items 24 and 25: ANT SEL - selects either the PORT or STBD OMNI antenna respectively. These commands are used when in Low Data Rate and Manual Pointing Mode only. An asterisk will be displayed next to the appropriate item entry to indicate the antenna selected regardless of pointing mode.
- Items 26 and 27: PORT or STBD ARRAY BEAM - selects either the PORT or STBD ARRAY BEAM. These commands are used in conjunction with the Automatic Pointing Mode to give the antenna pointing algorithm an initial beam reference for signal acquisition. These commands are also used for full manual control of the arrays when in Manual Pointing Mode. These are indexed commands with 64 beam selection. An asterisk is displayed to the right of the command feedback field to indicate PORT or STBD is in use.